

J1057 U.S. PTO  
01/16/02

01-22-02 A

Please type a plus sign (+) inside this box [+]

PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
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**UTILITY PATENT APPLICATION TRANSMITTAL**  
(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 42390P9482D  
(maximum 12 characters)

J1017 U.S. PTO  
10/05/02

First Named Inventor Kumamoto et al.

Title: Molded Flip Chip Package

Express Mail Label No. EV 064118299 US

01/16/02

ADDRESS TO: **Assistant Commissioner for Patents**  
**Box Patent Application**  
**Washington, D. C. 20231**

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2.  Applicant Claims Small Entity Status. (37 CFR 1.27)
3.  Specification (Total Pages 14)  
(preferred arrangement set forth below)
  - Descriptive Title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawings(s) (35 USC 113) (Total Sheets 4)
5.  Oath or Declaration (Total Pages 5)
  - a.  Newly Executed (Original or Copy)
  - b.  Copy from a Prior Application (37 CFR 1.63(d))  
(for Continuation/Divisional with Box 18 completed)
    - i.  DELETIONS OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
    - c.  Unsigned.
6.  Application Data Sheet. (37 CFR 1.76)
7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8.  Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b.  Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statement verifying identity of above copies

**EXPRESS MAIL CERTIFICATE OF MAILING**

"Express Mail" mailing label number: EV 064118299 US  
I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to the Assistant Commissioner for Patents, Washington, DC 20231.

January 16, 2002  
Christina Mathiesen  
Christina Mathiesen 1/16/02

Date of Deposit

Signature

Date

**ACCOMPANYING APPLICATION PARTS**

9.  **Assignment Papers (cover sheet & documents(s))**
10.  a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)
- b. Power of Attorney
11.  English Translation Document (if applicable)
12.  a. Information Disclosure Statement (IDS)/PTO-1449
- b. Copies of IDS Citations
13.  **Preliminary Amendment**
14.  **Return Receipt Postcard (MPEP 503) (Should be specifically itemized)**
15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.  **Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.**
17.  Other: Express Mail Certificate

**18A. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:**

Continuation       Divisional       Continuation-in-part (CIP)  
Of Prior Application No.: 09/741,535 Examiner Thai, Luan C. Group Art Unit 2811  
(which is a  continuation/  divisional/  CIP of prior application no. \_\_\_\_\_,  
which is a  continuation/  divisional/  CIP of prior application no. \_\_\_\_\_) (List entire chain of priority)

**Applicant(s):** Also include a Preliminary Amendment to amend the specification to claim priority.

For CONTINUATION AND DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**18B. Statement under 37 CFR 3.73(b) for continuing application:**

The undersigned states that Intel Corporation (name of assignee) is  
the assignee of the entire right, title, and interest in the accompanying patent application by virtue of an  
assignment recorded in the Patent and Trademark Office at Reel. No. 011401 Frame No. 0209  
(or a copy of which is attached).

**19. Correspondence Address**

Customer Number or Bar Code Label \_\_\_\_\_  
or \_\_\_\_\_ (Insert Customer No. or Attach Bar Code Label here)  
 Correspondence Address Below

NAME Mark C. Van Ness

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

ADDRESS 12400 Wilshire Boulevard

Seventh Floor

CITY Los Angeles STATE California ZIP CODE 90025-1026

Country U.S.A. TELEPHONE (303) 740-1980 FAX (303) 740-6962

Name (PRINT/TYPE): Mark C. Van Ness Registration No.: 39,865  
Signature: Mark C. Van Ness Date: 1/16/02

J1017 U.S. PTO  
10/05/1980  
01/16/02


**FEE TRANSMITTAL FOR FY 2002**TOTAL AMOUNT OF PAYMENT (\$) \$740.00

## Complete if Known:

Application No. \*\*\*\*\*Filing Date Concurrently HerewithFirst Named Inventor Not Yet AssignedGroup Art Unit Not Yet AssignedExaminer Name Not Yet AssignedAttorney Docket No. 42390P9482D**METHOD OF PAYMENT** (check one)

1.  The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 02-2666  
Deposit Account Name \_\_\_\_\_

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addressed to the Assistant Commissioner for Patents, Washington, D.C.

2.  Payment Enclosed:  Check  
 Money Order  
 Other

20231.

January 16, 2002

Date of Deposit

Name of Person Mailing Correspondence

Krista Mathison

Date

**FEE CALCULATION****1. BASIC FILING FEE**Large Entity    Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility application filing fee	<u>\$740.00</u>
106	330	206	165	Design application filing fee	_____
107	510	207	255	Plant filing fee	_____
108	740	208	370	Reissue filing fee	_____
114	160	214	80	Provisional application filing fee	_____

SUBTOTAL (1) \$ 740.00**2. EXTRA CLAIM FEES**Extra ClaimsFee from belowFee Paid

Total Claims <u>13</u>	- 20** = <u>0</u>	X <u>\$18.00</u>	= <u>0.00</u>
Independent Claims <u>1</u>	- 3** = <u>0</u>	X <u>\$84.00</u>	= <u>0.00</u>
Multiple Dependent			= <u>      </u>

\*\*Or number previously paid, if greater; For Reissues, see below.

Large Entity    Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$ 0.00

**FEE CALCULATION (continued)**

**3. ADDITIONAL FEES**

<b>Large Entity</b>		<b>Small Entity</b>			
<b>Fee</b>	<b>Fee</b>	<b>Fee</b>	<b>Fee</b>	<b>Fee Description</b>	<b>Fee Paid</b>
<b>Code</b>	<b>(\$)</b>	<b>Code</b>	<b>(\$)</b>		
105	130	205	65	Surcharge - late filing fee or oath	_____
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	_____
139	130	139	130	Non-English specification	_____
147	2,520	147	2,520	For filing a request for ex parte reexamination	_____
099	8,800	099	8,800	Request for inter parties reexamination	_____
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	_____
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	_____
115	110	215	55	Extension for reply within first month	_____
116	400	216	200	Extension for reply within second month	_____
117	920	217	460	Extension for reply within third month	_____
118	1,440	218	720	Extension for reply within fourth month	_____
128	1,960	228	980	Extension for reply within fifth month	_____
119	320	219	160	Notice of Appeal	_____
120	320	220	160	Filing a brief in support of an appeal	_____
121	280	221	140	Request for oral hearing	_____
138	1,510	138	1,510	Petition to institute a public use proceeding	_____
140	110	240	55	Petition to revive – unavoidable	_____
141	1,280	241	640	Petition to revive - unintentional	_____
142	1,280	242	640	Utility issue fee (or reissue)	_____
143	460	243	230	Design issue fee	_____
144	620	244	310	Plant issue fee	_____
122	130	122	130	Petitions to the Commissioner	_____
123	50	123	50	Processing fee under 37 CFR 1.17(q)	_____
126	180	126	180	Submission of Information Disclosure Stmt	_____
581	40	581	40	Recording each patent assignment per property (times number of properties)	_____
146	740	246	370	For filing a submission after final rejection (see 37 CFR 1.129(a))	_____
148	110	248	55	Statutory Disclaimer	_____
149	740	249	370	For each additional invention to be examined (see 37 CFR 1.129(b))	_____
179	740	279	370	Request for Continued Examination (RCE)	_____
169	900	169	900	Request for expedited examination of a design application	_____
195	300	195	300	Publication fee for early, voluntary, or normal pub.	_____
196	300	196	300	Publication fee for republication	_____
194	130	194	130	Request for voluntary publication or republication	_____
098	130	098	130	Processing fee under 37 CFR 1.17(i) (except provisionals)	_____
091	1,280	091	1,280	Acceptance of unintentionally delayed claim for priority	_____

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

**SUBTOTAL (3) \$ 0.00**

\*Reduced by Basic Filing Fee Paid

**SUBMITTED BY:**

Typed or Printed Name: Mark C. Van Ness  
Signature: Mark C. Van Ness Date: 1/16/02  
Reg. Number: 39,865 Telephone Number: (303) 740-1980

Serial/Patent No.: \* \* \* \* \* \* \* \* \* \* Filing/Issue Date: Concurrently Herewith  
Client: Intel Corporation  
Title: Molded Flip Chip Package

BSTZ File No.: 42390P9482D Atty/Secty Initials: MAD/WJD/kam  
Date Mailed: January 16, 2002 Docket Due Date:

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- Amendment/Response (       pgs.)  Express Mail No: **EV064118299US**  Check No. **2231**  
 Appeal Brief (       pgs.) (in triplicate)  Month(s) Extension of Time  Amt: **\$740.00**  
 Application - Utility (       pgs., with cover and abstract)  Information Disclosure Statement & PTO-144 (       pgs.)  Check No. \_\_\_\_\_  
 Application - Rule 1.53(b) Continuation (       pgs.)  Issue Fee Transmittal  Amt: \_\_\_\_\_  
 Application - Rule 1.53(b) Divisional (**14** pgs.)  Notice of Appeal  
 Application - Rule 1.53(b) CIP (       pgs.)  Petition for Extension of Time  
 Application - Rule 1.53(d) CPA Transmittal (       pgs.)  Petition for \_\_\_\_\_  
 Application - Design (       pgs.)  Postcard  
 Application - PCT (       pgs.)  Power of Attorney (       pgs.)  
 Application - Provisional (       pgs.)  Preliminary Amendment (       pgs.)  
 Assignment and Cover Sheet  Reply Brief (       pgs.)  
 Certificate of Mailing  Response to Notice of Missing Parts  
 Declaration & POA (**5** pgs.) (**signed**)  Small Entity Declaration for Indep. Inventor/Small Business  
 Disclosure Docs & Oig & Cpy of Inventor Signed Letter (       pgs.)  Transmittal Letter, in duplicate  
 Drawings: 4 # of sheets includes 8 figures  Fee Transmittal, in duplicate  
 Other: \_\_\_\_\_

**EV064118299US**

EXPRESS MAIL CERTIFICATE OF MAILING

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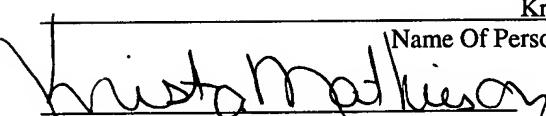
I hereby certify that I am causing the above-referenced correspondence to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated below and that this paper or fee has been addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

January 16, 2002

Date of Deposit

Krista Mathieson

Name Of Person Mailing Correspondence

  
Signature

January 16, 2002

Date Signed

PATENT APPLICATION SERIAL NO. \_\_\_\_\_

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE  
FEE RECORD SHEET

01/28/2002 WABDELRI 00000044 10051980

01 FC:101

740.00 DP

PTO-1556  
(5/87)